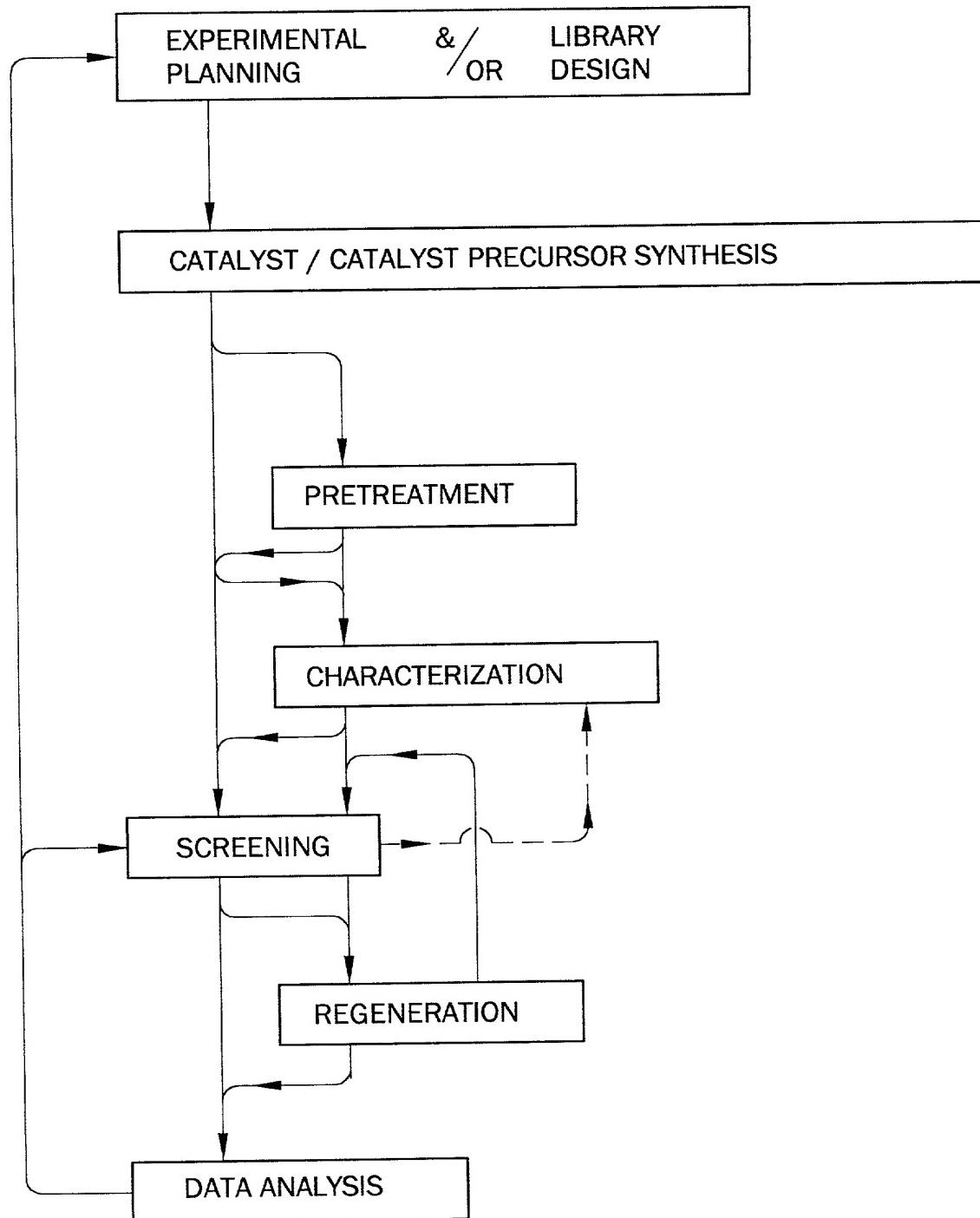


FIG. 1



2/19

FIG. 2A

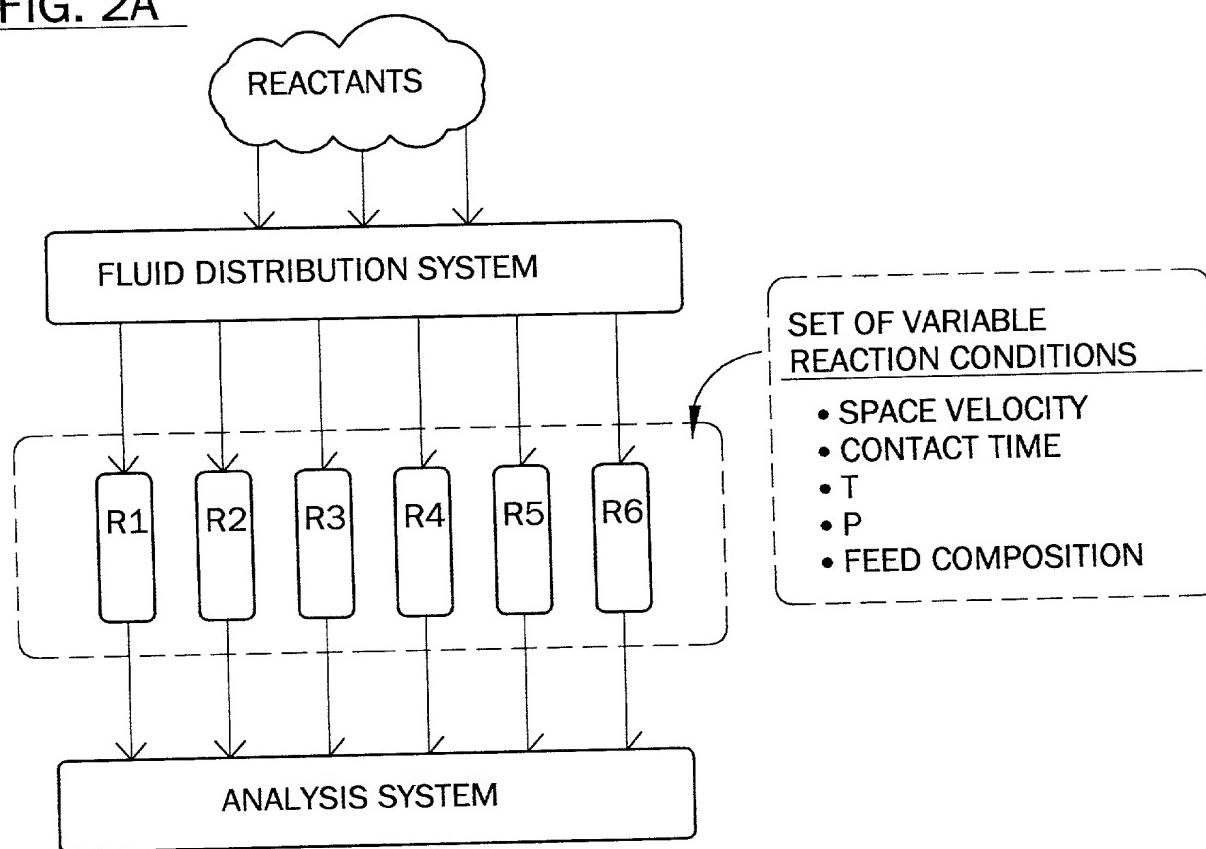


FIG. 2B

SV <sub>1</sub> (or CT <sub>1</sub> )	C <sub>1</sub>	C <sub>1</sub>
SV <sub>2</sub> (or CT <sub>2</sub> )	C <sub>1</sub>	C <sub>1</sub>
SV <sub>3</sub> (or CT <sub>3</sub> )	C <sub>1</sub>	C <sub>1</sub>
	T <sub>1</sub> (or P <sub>1</sub> )	T <sub>2</sub> (or P <sub>2</sub> )
	(or FC <sub>1</sub> )	(or FC <sub>2</sub> )

6 SIMULTANEOUS  
EXPERIMENTS

FIG. 2C

SV <sub>1</sub> (or CT <sub>1</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
SV <sub>2</sub> (or CT <sub>2</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
SV <sub>3</sub> (or CT <sub>3</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>	C <sub>1</sub>
	T <sub>1</sub>	T <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
			(or FC <sub>1</sub> )	(or FC <sub>2</sub> )

12 SIMULTANEOUS  
EXPERIMENTS

3/19

FIG. 2D

SV <sub>1</sub> (or CT <sub>1</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>2</sub>
SV <sub>2</sub> (or CT <sub>2</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>2</sub>
SV <sub>3</sub> (or CT <sub>3</sub> )	C <sub>1</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>2</sub>
	T <sub>1</sub> (or P <sub>1</sub> )	T <sub>2</sub> (or P <sub>2</sub> )	T <sub>1</sub> (or P <sub>1</sub> )	T <sub>2</sub> (or P <sub>2</sub> )
	(or FC <sub>1</sub> )	(or FC <sub>2</sub> )	(or FC <sub>1</sub> )	(or FC <sub>2</sub> )

12 SIMULTANEOUS EXPERIMENTS

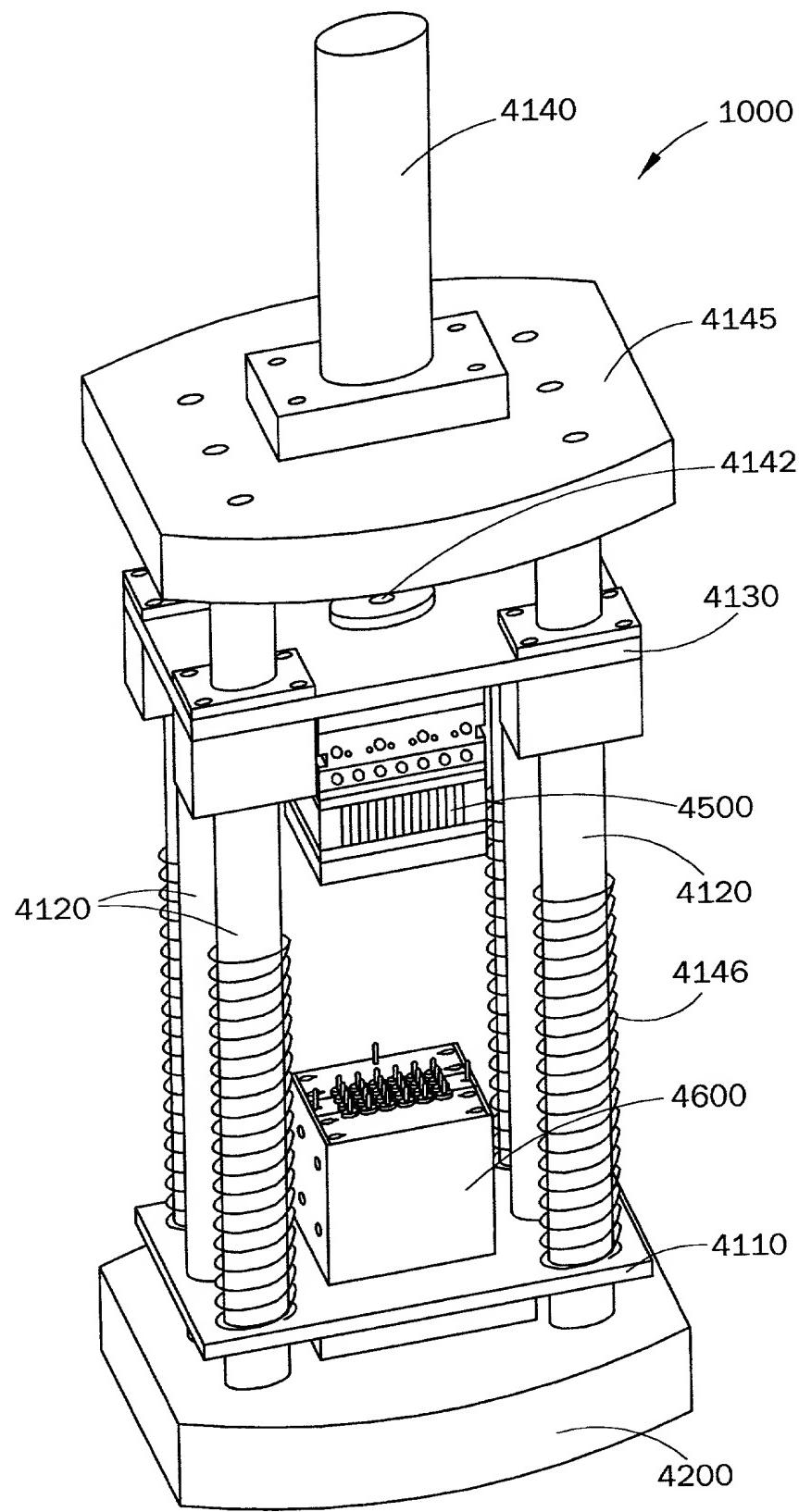
FIG. 2E

SV <sub>1</sub> (or CT <sub>1</sub> )	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>
SV <sub>2</sub> (or CT <sub>2</sub> )	C <sub>4</sub>	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>
SV <sub>3</sub> (or CT <sub>3</sub> )	C <sub>3</sub>	C <sub>4</sub>	C <sub>1</sub>	C <sub>2</sub>
SV <sub>4</sub> (or CT <sub>4</sub> )	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>1</sub>
	T <sub>1</sub> (or P <sub>1</sub> )	T <sub>2</sub> (or P <sub>2</sub> )	T <sub>3</sub> (or P <sub>3</sub> )	T <sub>4</sub> (or P <sub>4</sub> )
	(or FC <sub>1</sub> )	(or FC <sub>2</sub> )	(or FC <sub>3</sub> )	(or FC <sub>4</sub> )

16 SIMULTANEOUS EXPERIMENTS

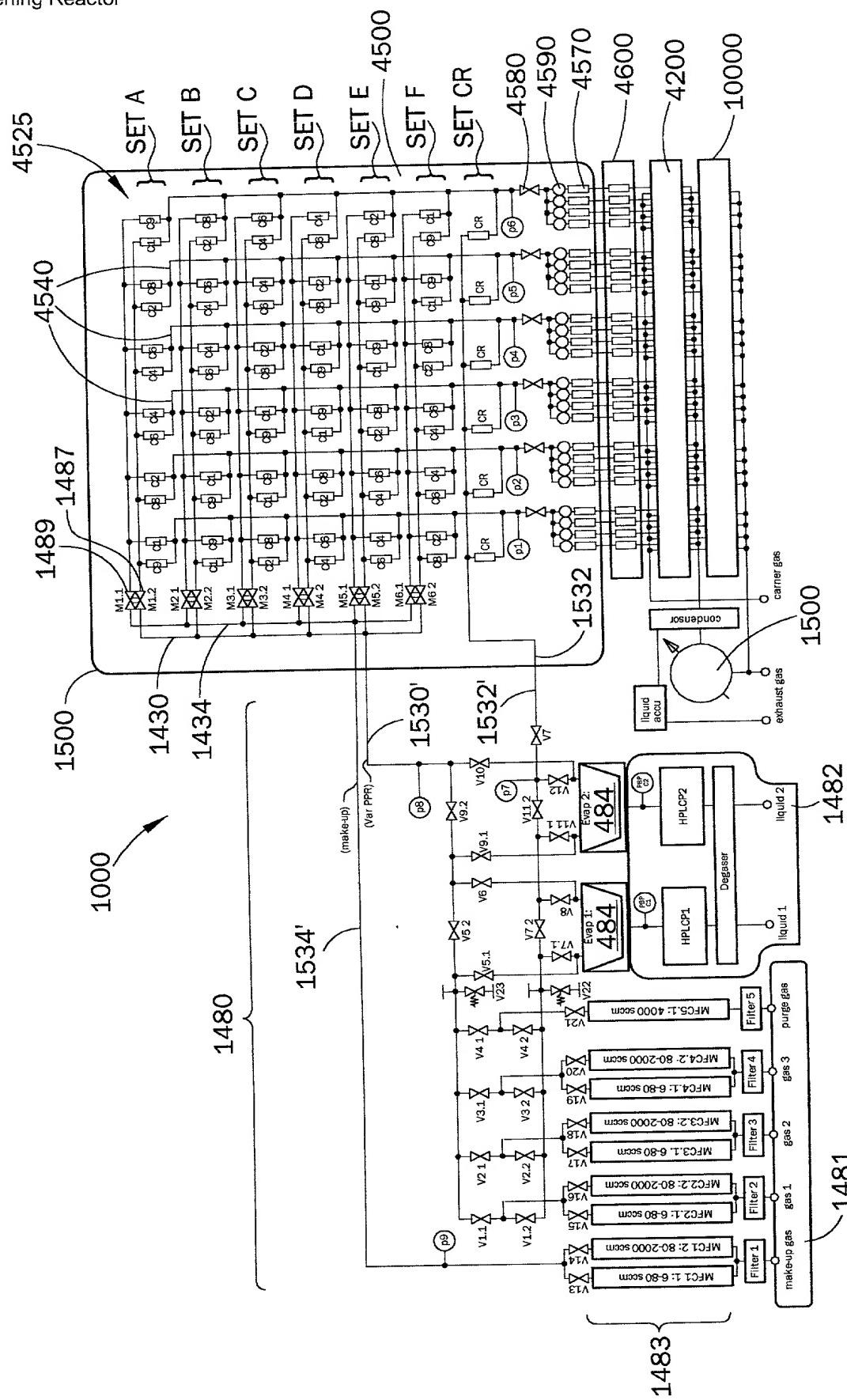
FIG. 2F

4/19



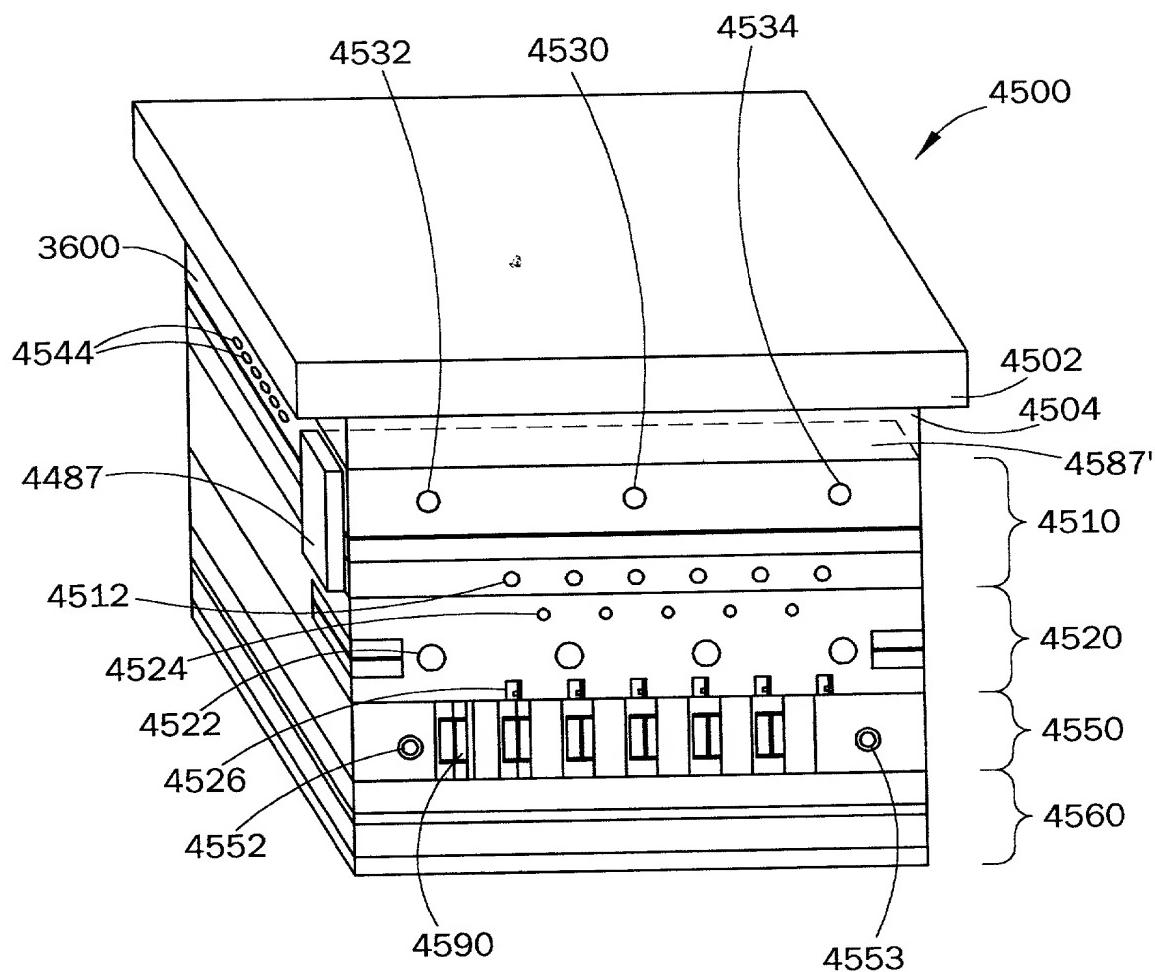
5/19

FIG. 2G

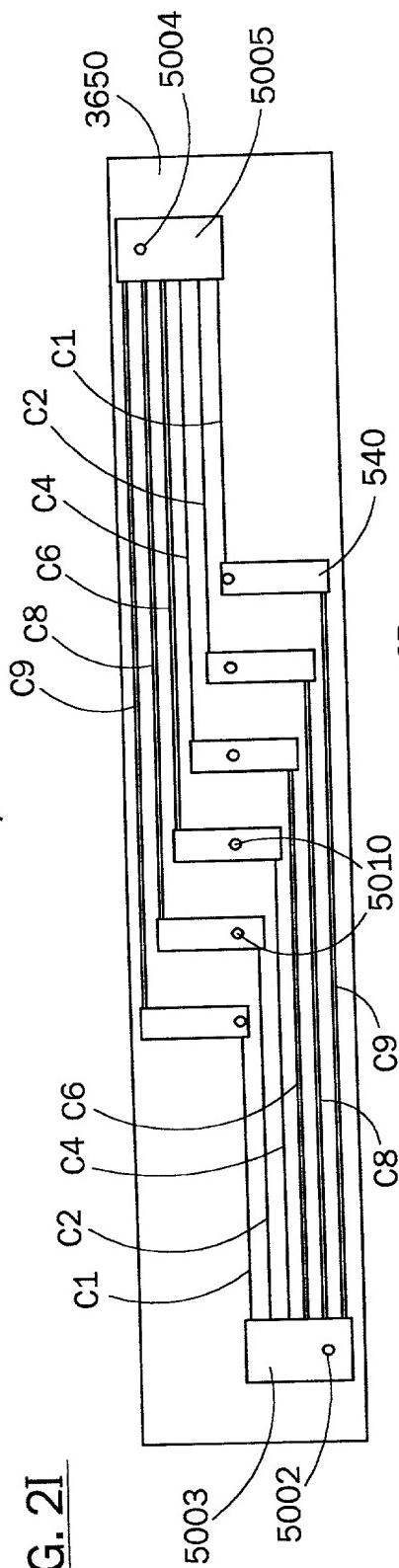
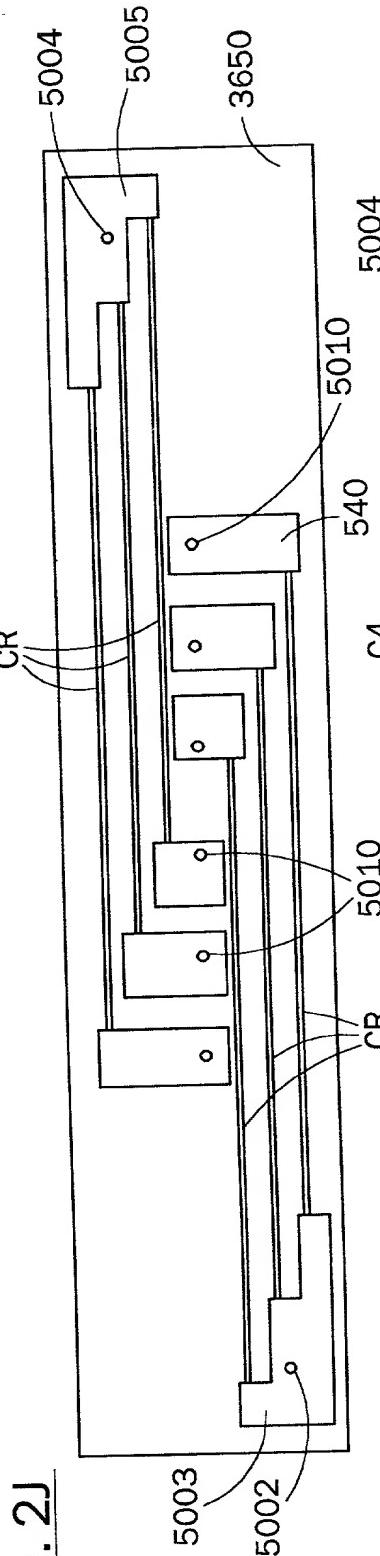
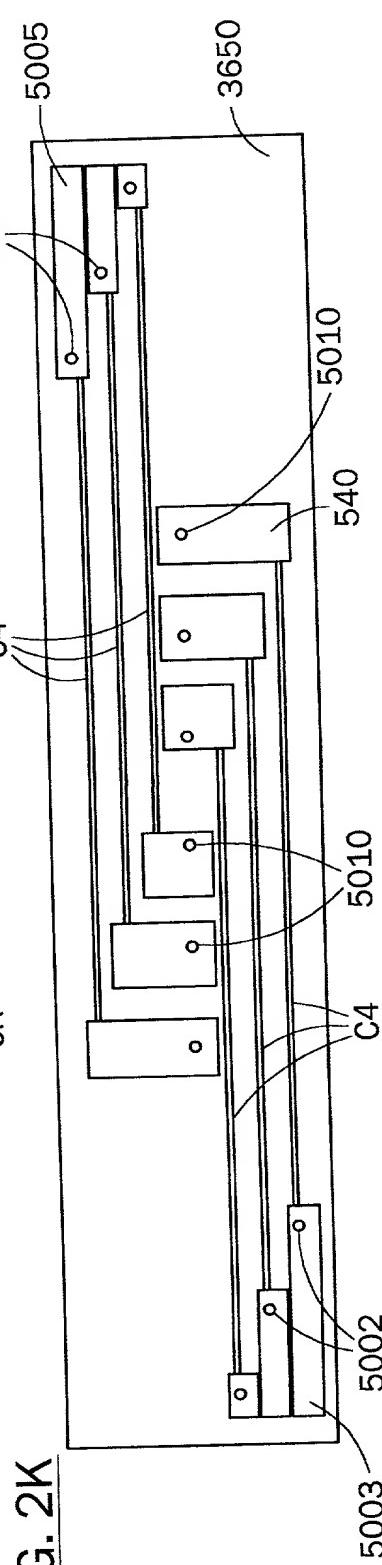


6/19

FIG. 2H

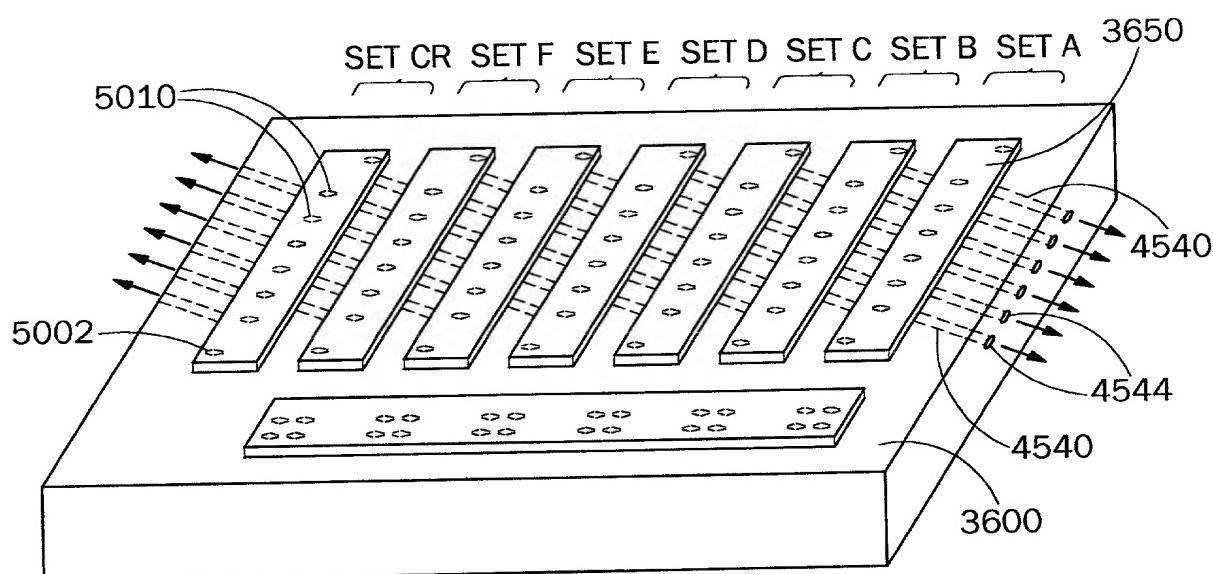


7/19

FIG. 2IFIG. 2JFIG. 2K

8/19

FIG. 2L



9/19

FIG. 2M

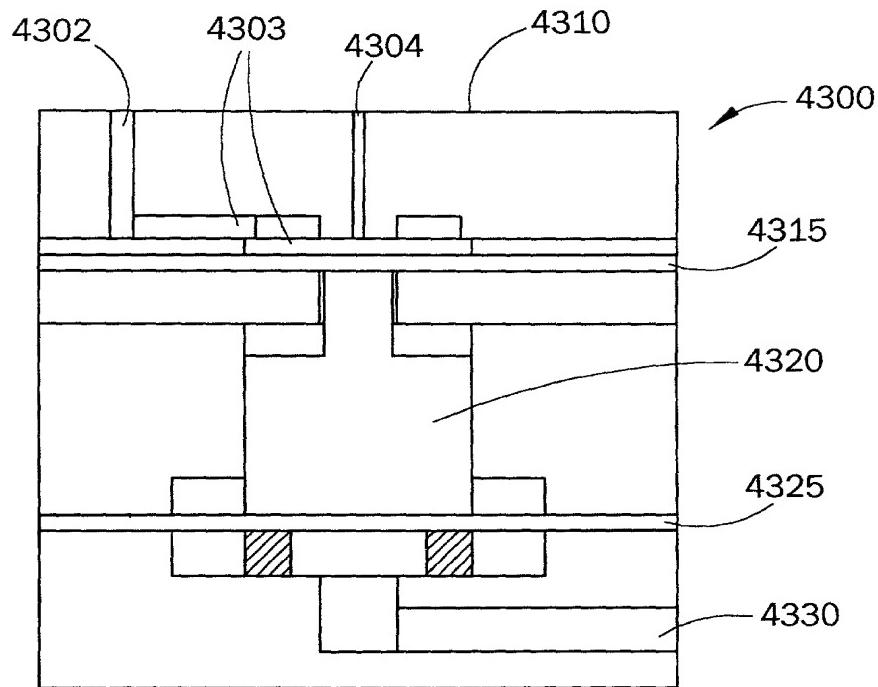
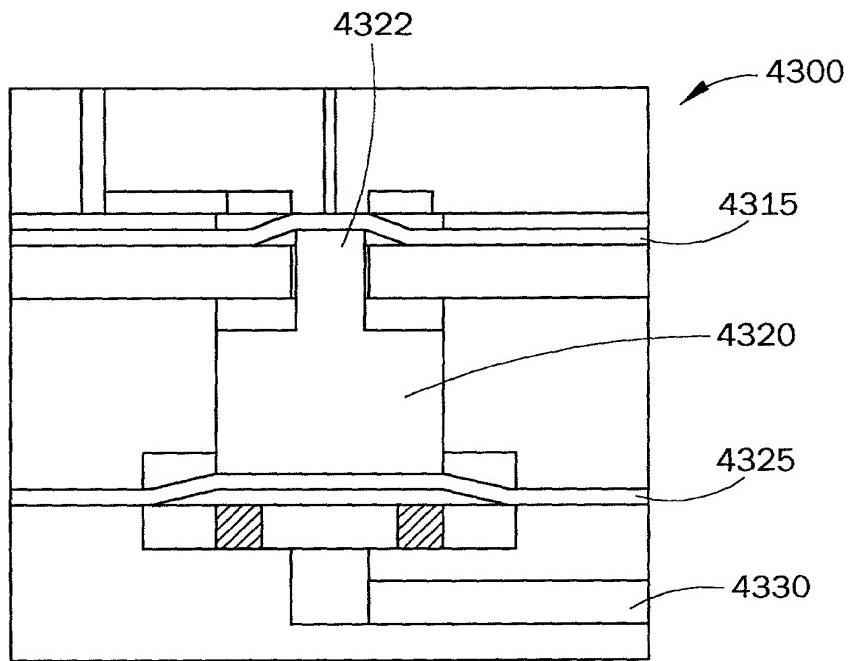


FIG. 2N



10/19

FIG. 20

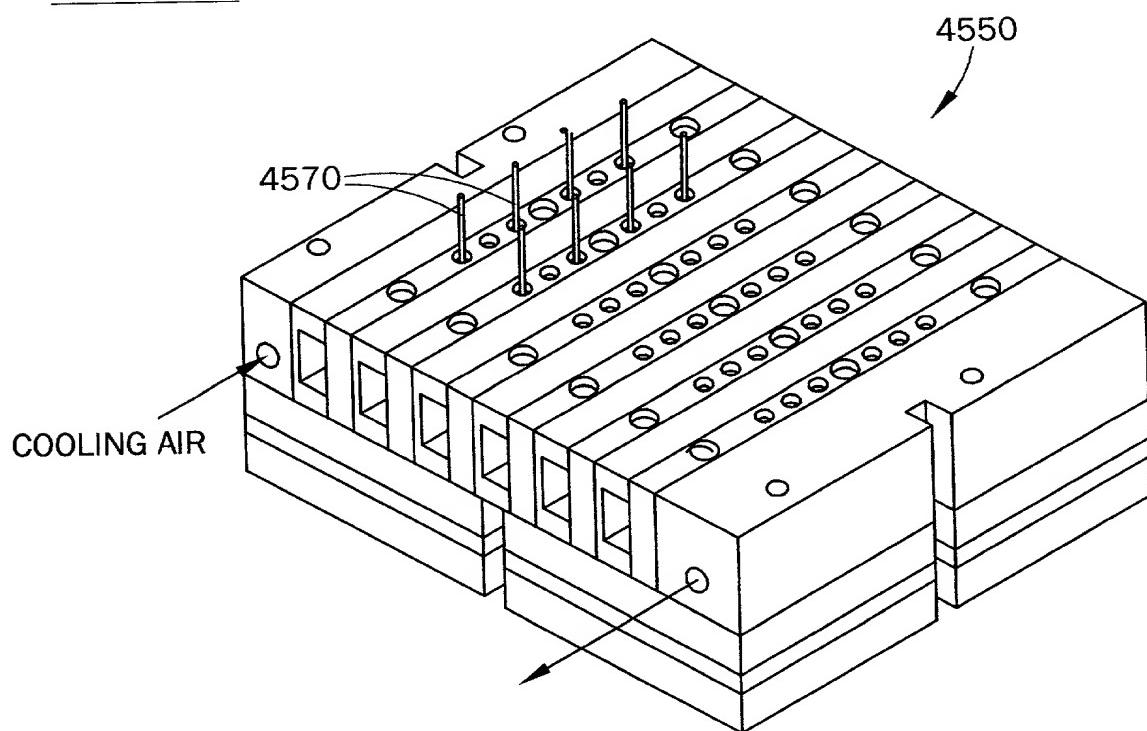
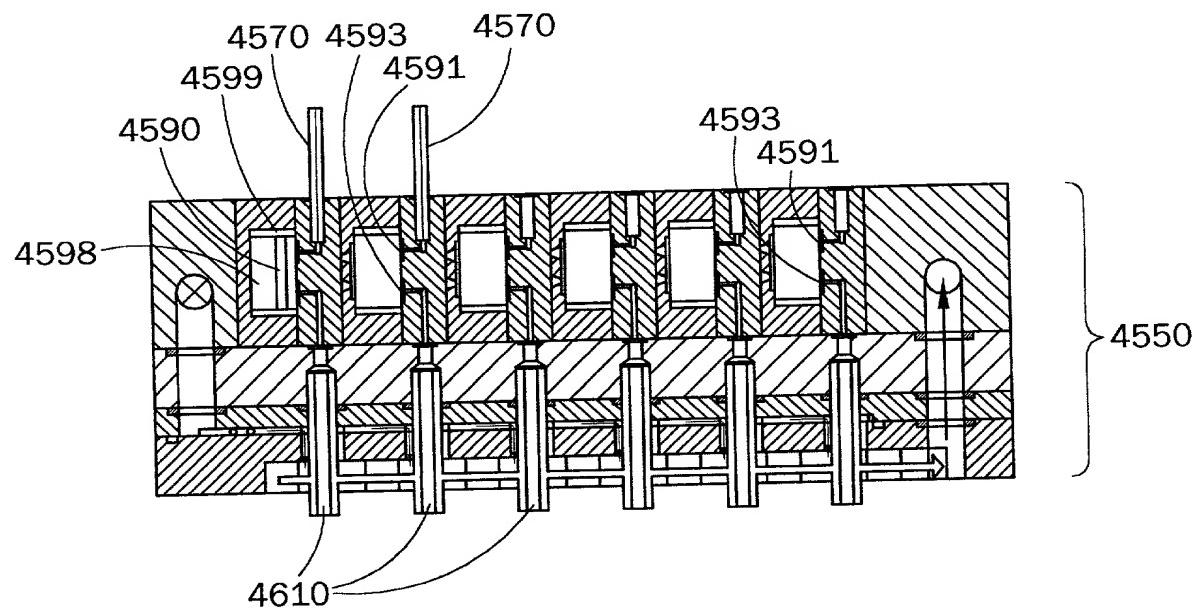


FIG. 2P



11/19

FIG. 2Q

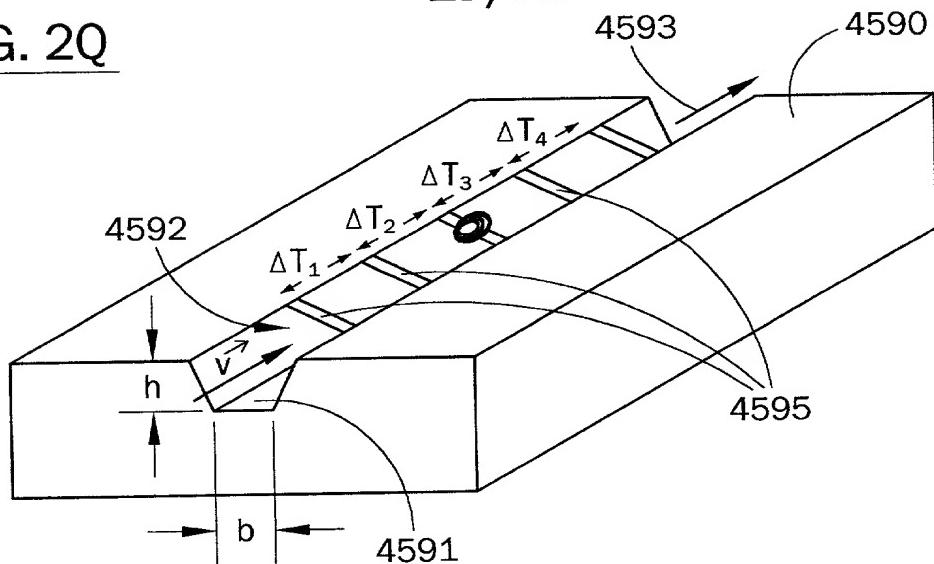


FIG. 2R

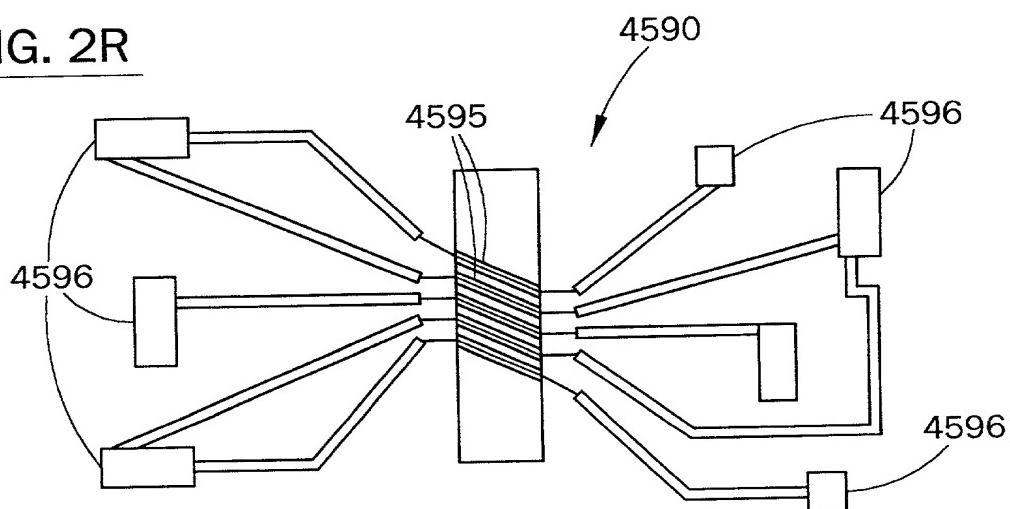
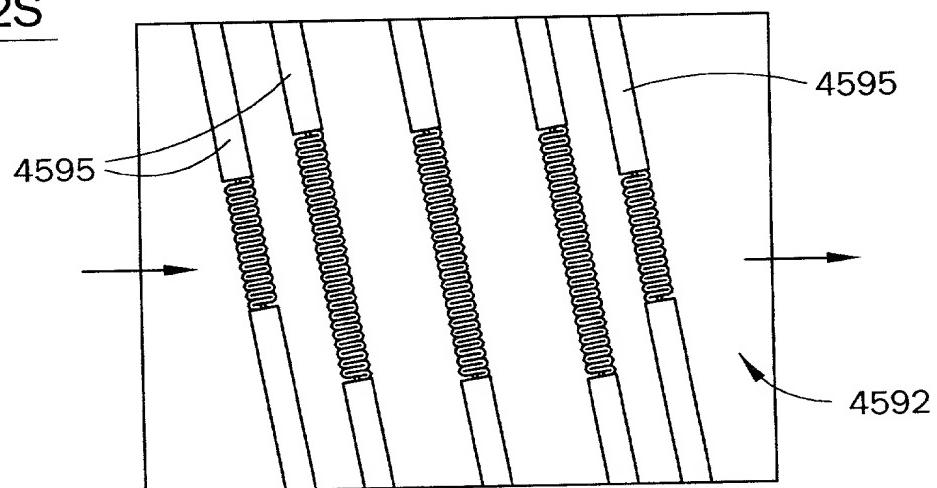
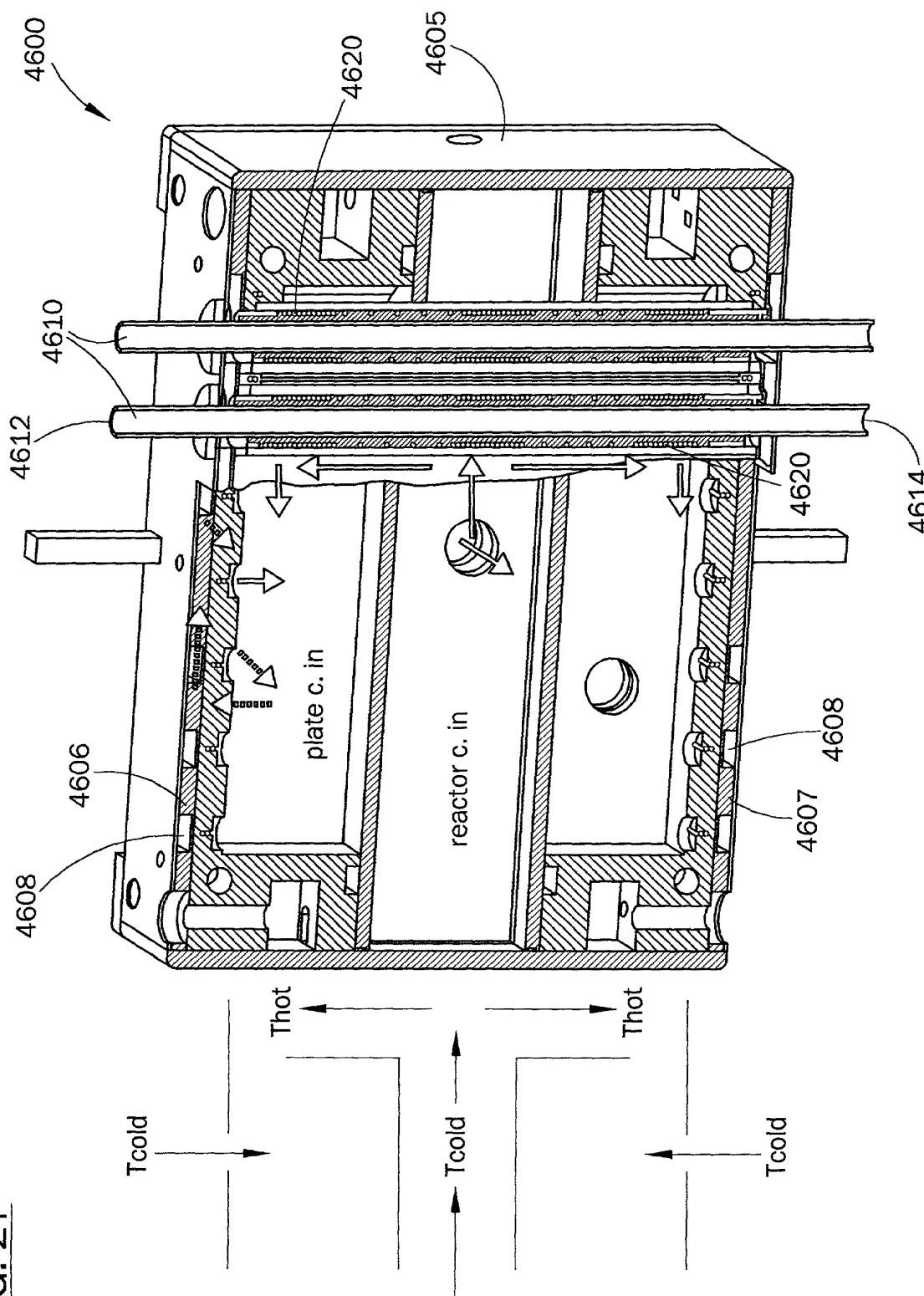


FIG. 2S



12/19

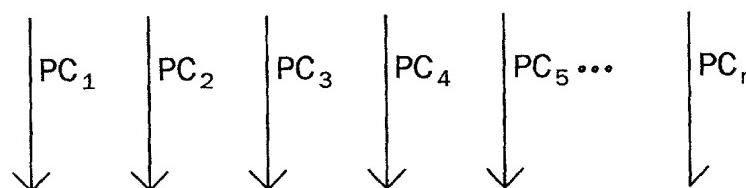
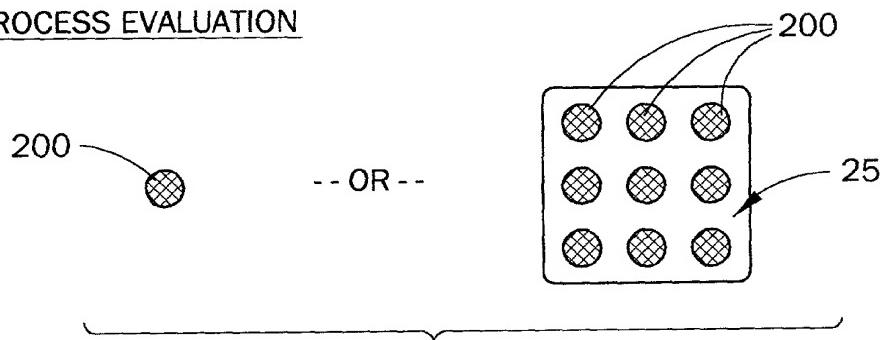
FIG. 2T



13/19

FIG. 3A

PROCESS EVALUATION



PC preferred (for representative composition)  
(for reaction of interest)

FIG. 3B

COMPOSITIONAL EVALUATION

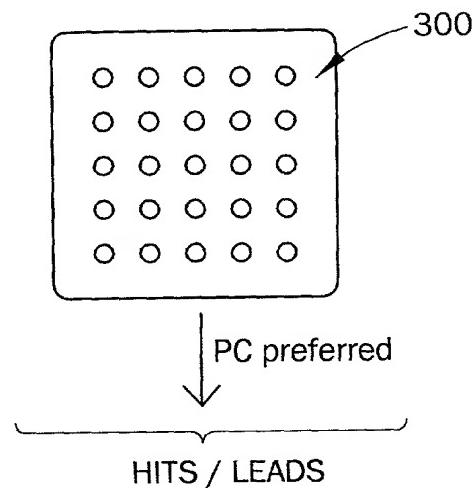


FIG. 4A

14/19

SYNTHESIS & PROCESS EVALUATION

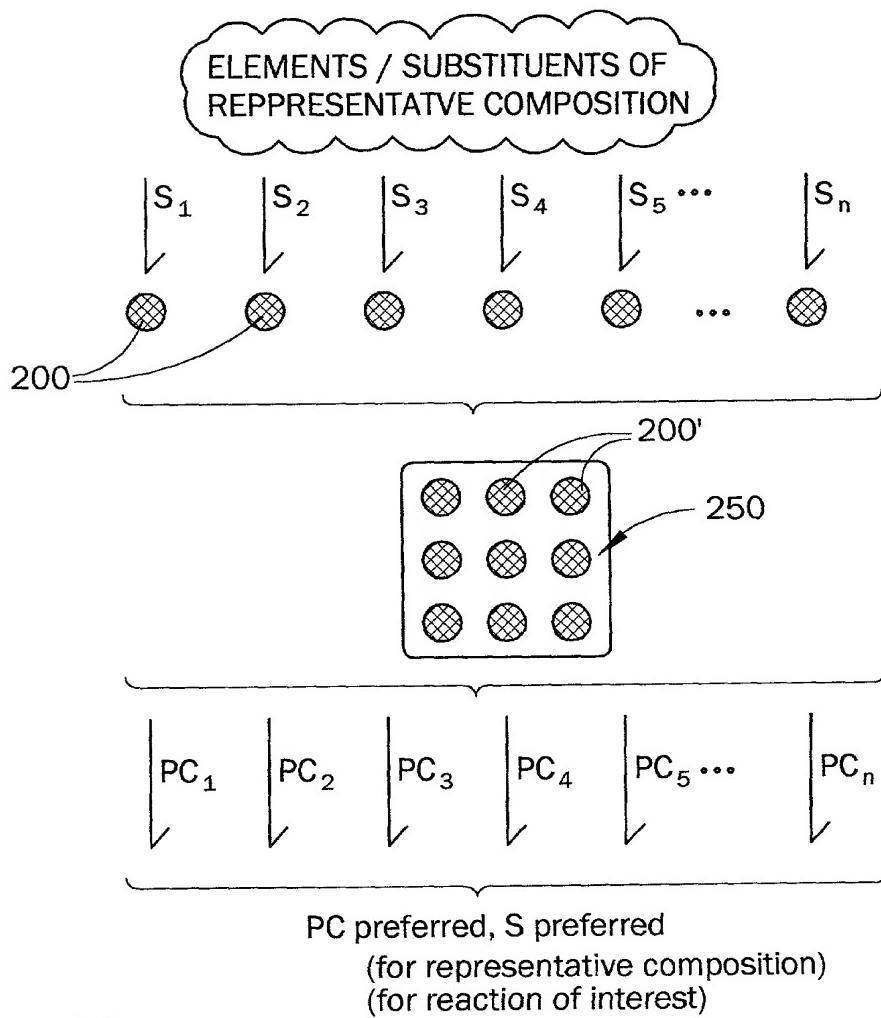


FIG. 4B

COMPOSITIONAL EVALUATION

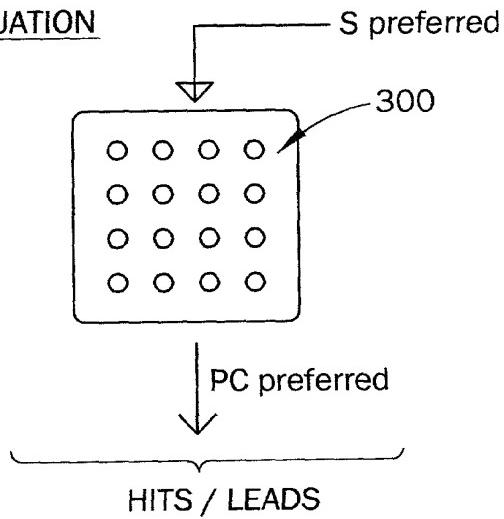
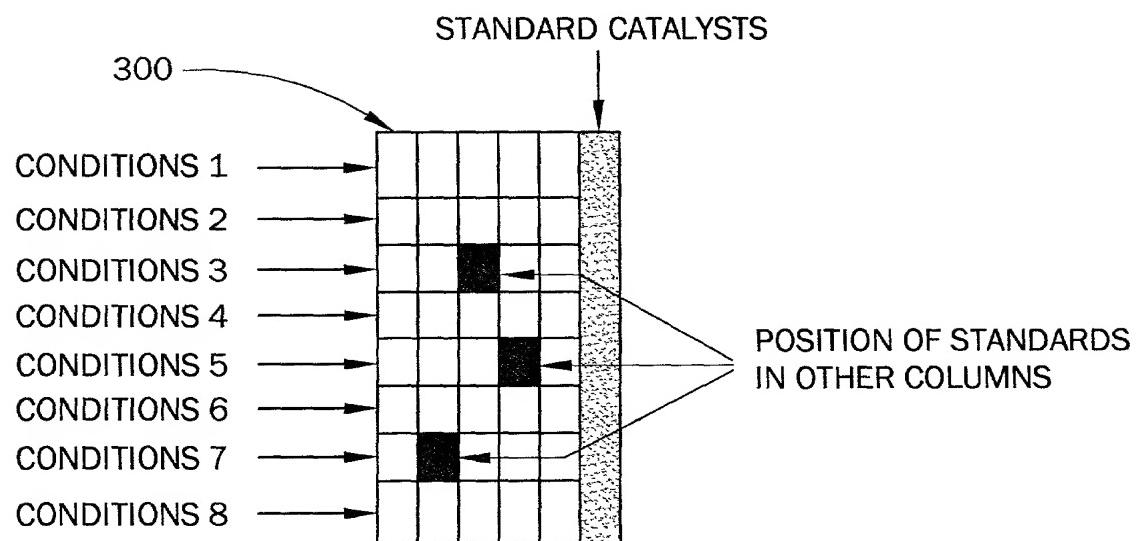
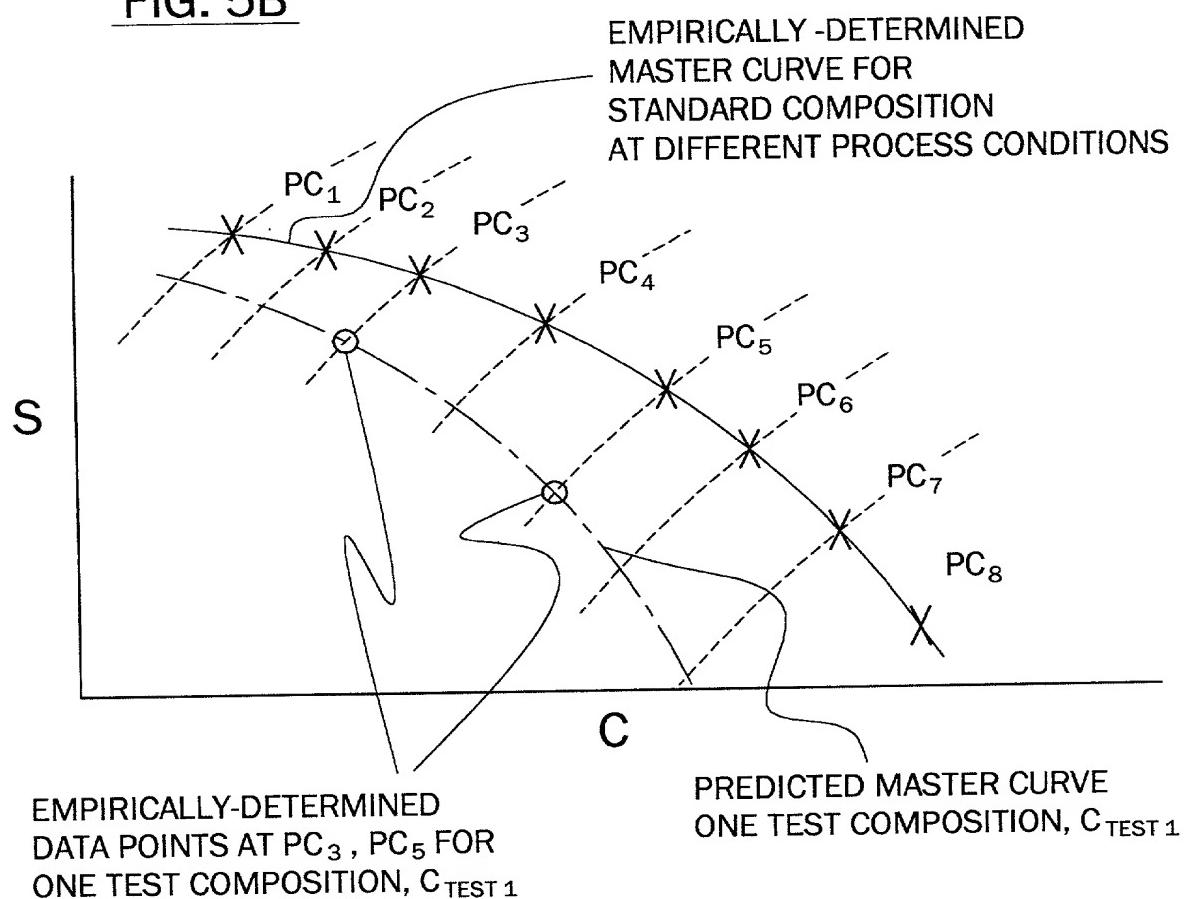


FIG. 5A

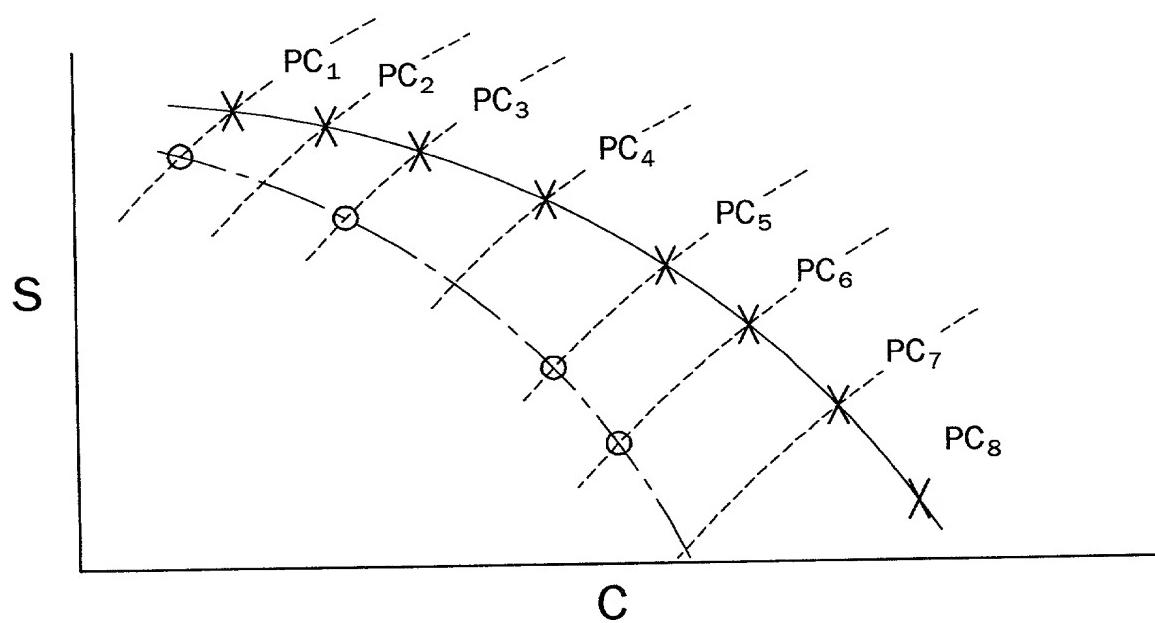


16/19

**FIG. 5B**



**FIG. 5C**



17/19

FIG. 5D

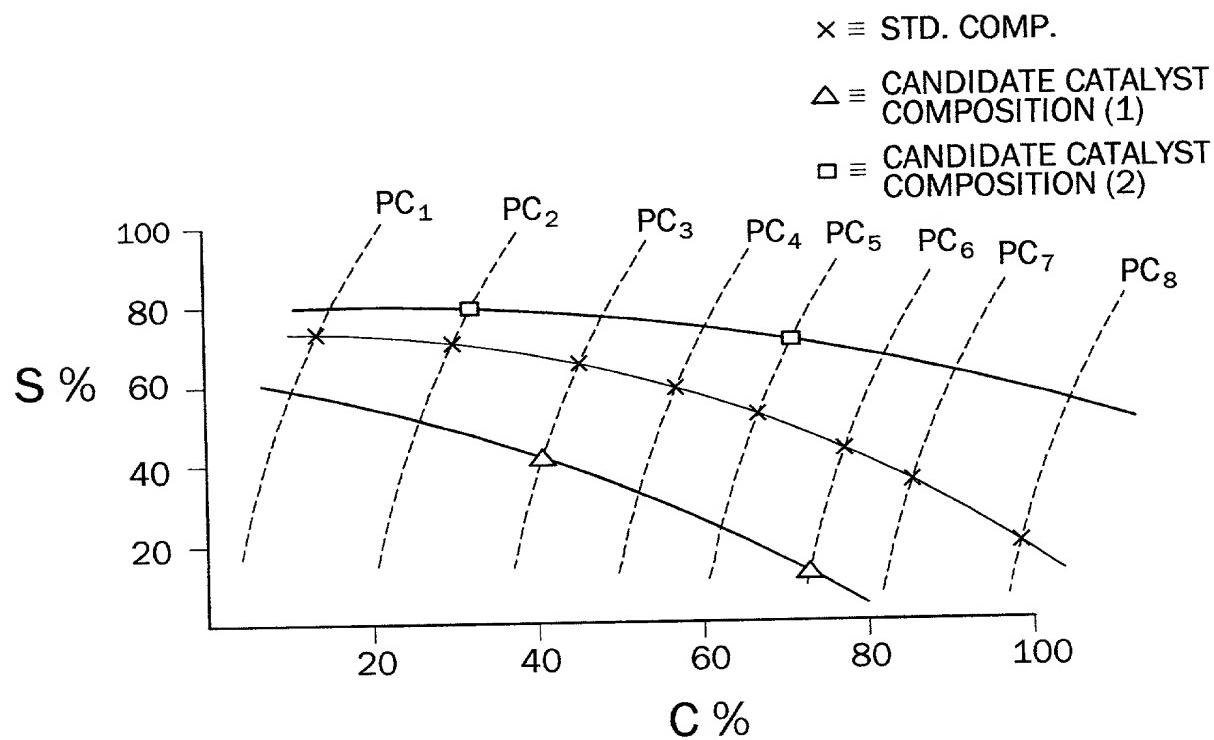
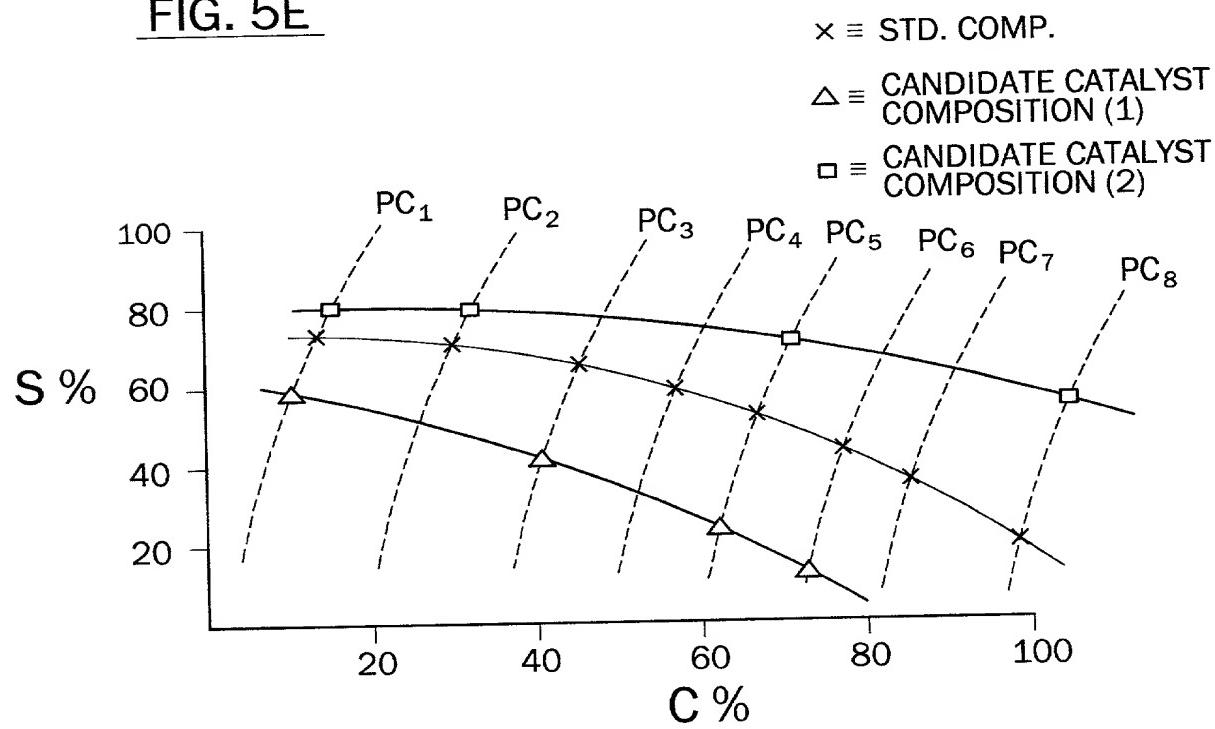
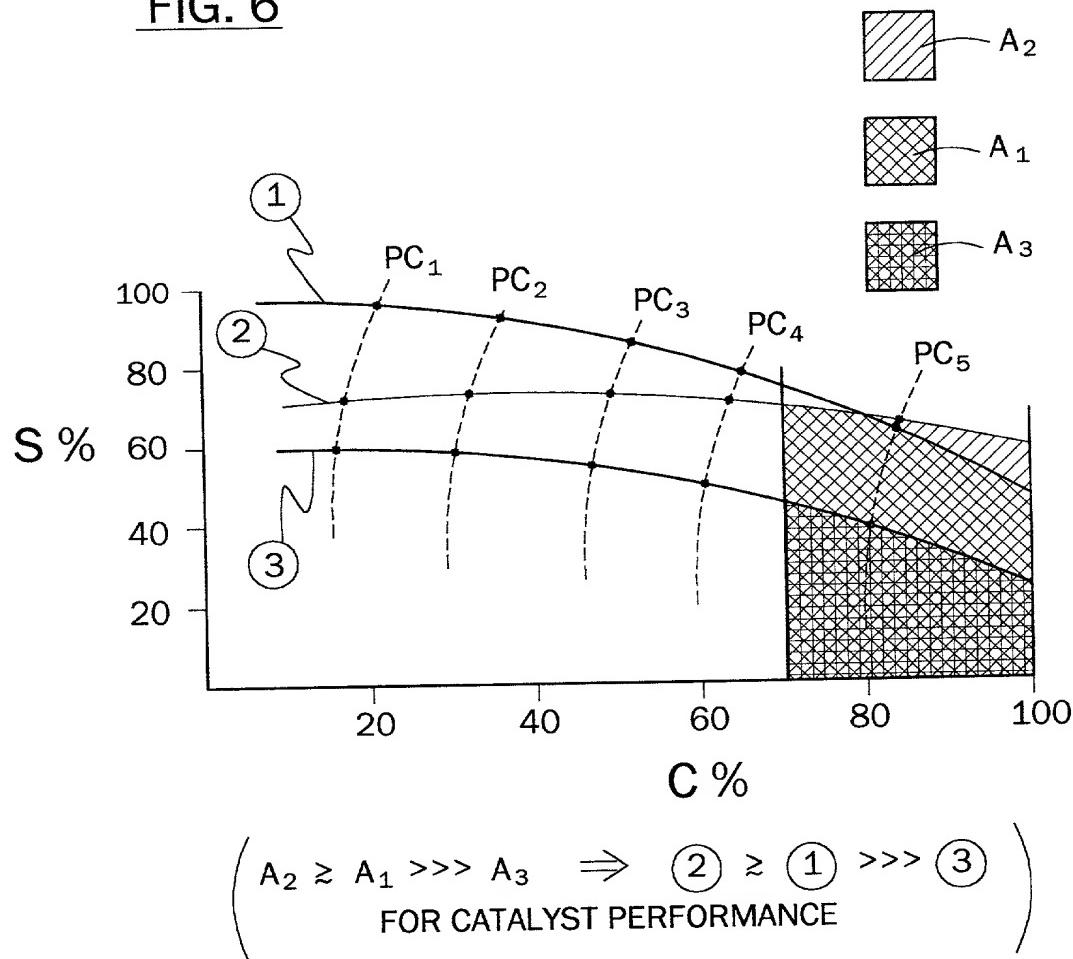


FIG. 5E



18/19

FIG. 6



$$\textcircled{1} \equiv C_1$$

$$\textcircled{2} \equiv C_2$$

$$\textcircled{3} \equiv C_3$$

19/19

FIG. 7A

(PRIOR ART) - SINGLE POT SYNTHESIS

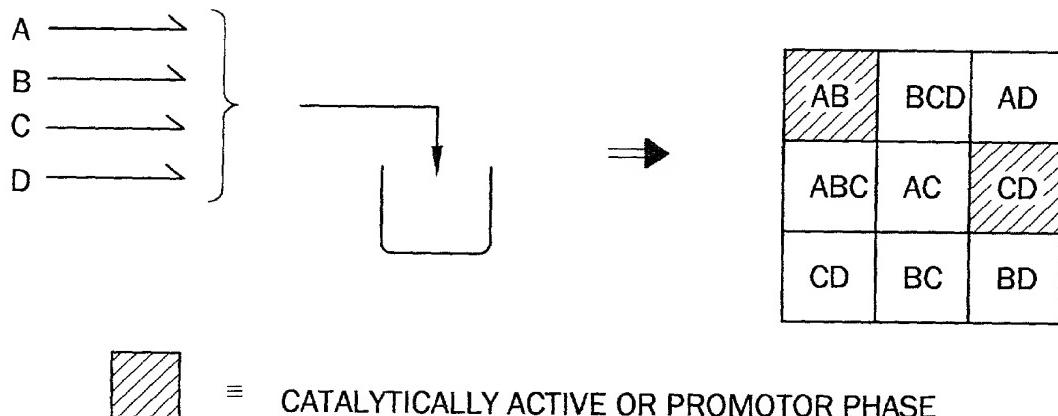
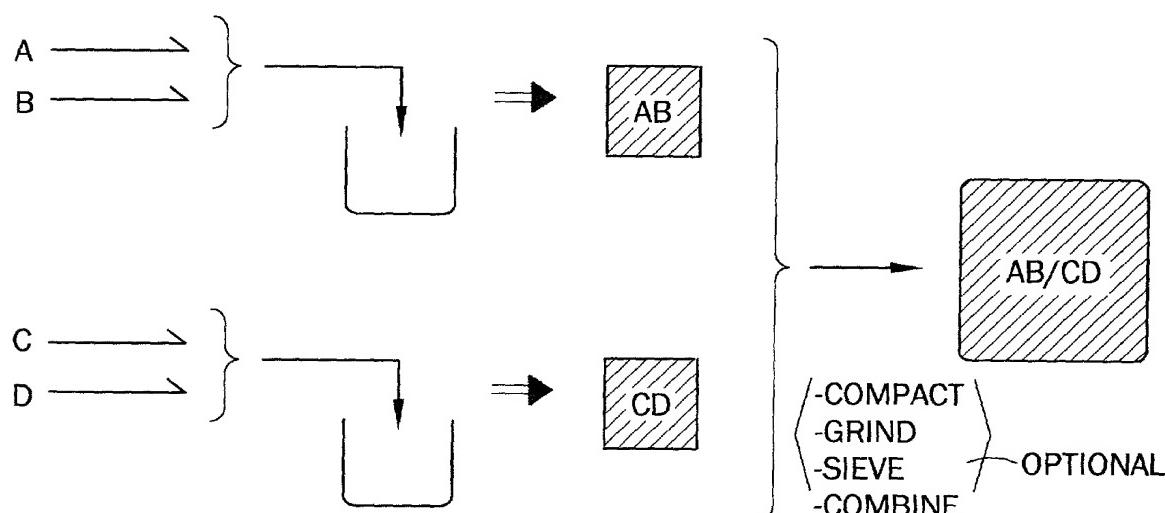


FIG. 7B

SELECTIVE-ACTIVE PHASE SYNTHESIS



= CATALYTICALLY ACTIVE OR PROMOTOR PHASE